PCT

The undersigned requests that the present international application be processed according to the Patent Cooperation Treaty

International Application No.	10877
(27. 09 2004)	27 SEP 2004

	Applicant's or agent's (if desired) (12 characte	file reference ters maximum) P72916PC00	
Box No. 1 TITLE OF INVENTION			
Computer Aided Document Retrieval		·	
	n is also inventor		
Name and address: (Family name followed by given name, for a legal enti The address must include postal code and name of country. The country of the Box is the applicant's State (that is; country) of residence if no State of residence.	he address indicated in this	Telephone No	
UNIVERSITY OF ULSTER Cromore Road	ĺ	Facsimile No	
Coleraine	1	Teleprinter No.	
County Londonderry BT52 1SA	1		
United Kingdom		Applicant's registration No. with the Office	
State (that is country) of nationality: GB	State (that is, country) GB	of residence:	
This person is applicant all designated for the purposes of: States all designated the United States	States except t	the United States the States indicated in the Supplemental Box	
Box No. III FURTHER APPLICANT(S) AND/OR (FURTH			
Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is country) of residence if no State of residence is indicated below.) ST PETERSBURG STATE UNIVERSITY		I his person is: applicant only applicant and inventor	
Universitetskii Prospekt, 28 Petergof	1	inventor only (If this check-box is	
St. Petersburg	J	marked, do not fill in below.)	
RUSSIA 198504		Applicant's registration No with the Office	
State (that is, country) of nationality:	State (that is country)	of residence:	
RU	RU		
This person is applicant for the purposes of: all designated the United States all designated the United States	States except the states of America to	the United States of America only the States indicated in the Supplemental Box	
Further applicants and/or (further) inventors are indicated on	a continuation sheet		
Box No. IV AGENT OR COMMON REPRESENTATIVE;		CORRESPONDENCE	
The person identified below is hereby/has been appointed to act on of the applicant(s) before the competent International Authorities as	s: 🔼 a	agent common representative	
Name and address: (Family name followed by given name, for a legal entity The address must include postal code and name of con	full official designation untry.)	Telephone No. +44 (0)28 9023 6000	
WALLACE, Alan	Īī	Facsimile No.	
F.R. Kelly & Co	1	+44 (0)28 9023 5454	
4 Mount Charles	-	Teleprinter No.	
BELFAST			
BT7 1nz	7	Agent's registration No with the Office	
United Kingdom			
Address for correspondence: Mark this check-box where no space above is used instead to indicate a special address to what is the special address to the special address to what is the special address to the spec	agent or common repre- hich correspondence sho	esentative is/has been appointed and the buld be sent	

Form PCI/RO/101 (first sheet) (January 2004)

Sheet No	
Continuation of Box No. III FURIHER APPLICANT(S) AND/OR (FURIHER) If none of the following sub-boxes is used, this sheet should not be included in the requirement.	, ,
Name and address: (Family name followed by given name, for a legal entity full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below) PATTERSON, David 7 Wood Grange Jordanstown County Antrim BT37 OWG United Kingdom	Ihis person is: applicant only applicant and inventor inventor only (If this check-box is marked, do not fill in below) Applicant's registration No with the Office

	7 Wood Grange	applicant and inventor
	Jordanstown	inventor only (If this check-box is marked, do not fill in below)
	County Antrim BT37 0WG	
	United Kingdom	Applicant's registration No. with the Office
	State (that is, country) of nationality: GB State (that is country) GB	of residence:
		the United States the States indicated in
	for the purposes of: all designated States except the United States of America	of America only the Supplemental Box
_	Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this	This person is:
	Box is the applicant's State (that is: country) of residence if no State of residence is indicated below)	applicant only
	DOBRYNIN, Vladimir	x applicant and inventor
	3 Railway Cottages	inventor only (If this check-box
	Greenisland, Carrickfergus County Antrim BT38 8RB	is marked, do not fill in below.)
	United Kingdom—	Applicant's registration No with the Office
	State (that is, country) of nationality: "State (that is, country)	of residence:
_	RU GB	
	This person is applicant for the purposes of: all designated States except the United States of America	the States indicated in the Supplemental Box
	Name and address: (Family name followed by given name, for a legal entity full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is country) of residence if no State of residence is indicated below.)	This person is: applicant only applicant and inventor inventor only (If this check-box is marked, do not fill in below)
		Applicant's registration No. with the Office
	State (that is, country) of nationality: State (that is country)	of residence:
	This person is applicant for the purposes of all designated States all designated States except the United States of America	he United States the States indicated in the Supplemental Box
	Name and address: (Family name followed by given name, for a legal entity full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is country) of residence if no State of residence is indicated below.)	Ihis person is: applicant only applicant and inventor inventor only (If this check-box is marked, do not fill in below) Applicant's registration No. with the Office
	State (that is. country) of nationality: State (that is. country) of	
		the United States the States indicated in the Supplemental Box
	Further applicants and/or (further) inventors are indicated on another continuation s	heet

Form PCI/RO/101 (continuation sheet) (January 2004)

Sheet No. ...3.. Supplemental Box If the Supplemental Box is not used, this sheet should not be included in the request If, in any of the Boxes, except Boxes Nos. VIII(i) to (v) for which a special continuation box is provided, the space is insufficient to furnish all the information: in such case, write "Continuation of Box No..." (indicate the number of the Box) and furnish the information in the same manner as required according to the COYLE, Philip captions of the Box in which the space was insufficient, in KINSELLA, Gerald CASEY, Lindsay if more than two persons are to be indicated as applicants DUFFY, Assumpta and/or inventors and no "continuation sheet" is available: in such case, write "Continuation of Box No. III" and indicate for SMYTH, Shane each additional person the same type of information as required in Box No. III. The country of the address indicated in this Box all clo is the applicant's State (that is, country) of residence if no Stateof residence is indicated below; F.R. Kelly Co if, in Box No. II or in any of the sub-boxes of Box No. III, the 4 Mount Charles in the States indicated in the Supplemental Box" is BELFAST BT7 1NZ checked: in such case, write "Continuation of Box No. II' or United Kingdom "Continuation of Box No. III" (as the case may be), indicate the name of the United Kingdom applicant(s) involved and, next to (each) such name, the State(s) (and/or, where applicable, ARIPO, Eurasian, European or OAPI patent) for the purposes of which the named person is if, in Box No II or in any of the sub-boxes of Box No III, the inventor or the inventor/applicant is not inventor for the purposes of all designated States or for the purposes of the United States of America: in such case, write "Continuation of Box No. II" or "Continuation of Box No. III" or "Continuation of Box No. of Boxes No. II and No. III" (as the case may be), indicate the name of the inventor(s) and next to (each) such name, the State(s) (and/or, where applicable, ARIPO, Eurasian, European or OAPI-patent)-for the purposes of which the named person is inventor: if, in addition to the agent(s) indicated in Box No. IV, there are further agents: in such case write "Continuation of Box No. IV" and indicate for each further agent the same type of information as required in Box No IV, if, in Box No. VI, there are more than three earlier applications whose priority is claimed: in such case, write "Continuation of Box No. VI" and indicate for each additional earlier application the same type of information as required in Box No VI If the applicant intends to make an indication of the wish that 2 the international application be treated, in certain designated States, as an application for a patent of addition, certificate of addition, inventor's certificate of addition or utility certificate of addition: in such a case, write the name or two-letter code of adaition: in such a case, write the name or two-letter code of each designated State concerned and the indication "patent of addition," "ertificate of addition," "inventor's certificate of addition," the number of the parent application or parent patent or other parent grant and the date of grant of the parent application (Rules 4 11(a)(iii) and 40hi [Val or (h)) and 49bis I(a) or (b)) If the applicant intends to make an indication of the wish that the international application be treated, in the United States of America, as a continuation or continuation-in-part of an earlier application: in such a case write "United States of America" or "US" and the indication 'continuation or "continuation-in-part" and the number and the filing date of the parent application (Rules 4.11(a)(iv) and 49bis 1(d))

<u></u>		Sheet No		
Box No. V DESIGNAI	IONS			
The filing of this request con filing date, for the grant of e	stitutes under Rule 4.9(a), t very kind of protection availa	he designation of all Controls and, where applicable	racting States bound by the , for the grant of both reg	ne PCT on the international ional and national patents
However,	• • •			
DE Germany is not de	esignated for any kind of nati	ional protection		·-
KR Republic of Korea	is not designated for any ki	nd of national protection		
RU Russian Federatio	n is not designated for any k	tind of national protection		
the national law of an earlie	be used to exclude (irrevocab r national application from w s in these and certain other S	which priority is claimed. S	rned in order to avoid the See the Notes to Box No V	ceasing of the effect, under as to the consequences of
Box No. VI PRIORITY-	CLAIM			
The priority of the following	earlier application(s) is here	by claimed:		
Filing date	Number	,	Where earlier application	is:
of earlier application	of earlier application		regional application:*	international application:
(day/month/year)		country or-Member.	regional Office	receiving Office
item (1) (26/09/2003) [20/09/0 3] 2 b. SPF-200 3	03226008	GB		
item (2)				
1				
item (3)				····
i	-			
Further priority claims	are indicated in the Suppleme	ental Box		
The receiving Office is reque the earlier application was fit above as:	ested to prepare and transmit the led with the Office which for	to the International Bureau the purposes of this interna	a certified copy of the eattional application is the r	rlier application(s) (only if eceiving Office) identified
	em (1)	2) item (3) other, se	ee Supplemental Box
Where the earlier application Industrial Property or one M	on is an ARIPO application, i Tember of the World Trade O	ndicate at least one country rganization for which that	y party to the Paris Conve earlier application was fil	ention for the Protection of led (Rule 4 10(b)(ii)):
	IONAL SEARCHING AU			
	arching Authority (ISA) (if the Authority chosen; the two	two or more International (o-letter code may be used):	Searching Authorities are	competent to carry out the
Request to use results of ea International Searching Auth	rlier search; reference to t	hat search (if an earlier se	earch has been carried ou	ii by or requestea from the
Date (day/month/year)	Num	ber Coun	ntry (or regional Office)	
Box No. VIII DECLARA	IIONS			
The following declarations check-boxes below and indica	are contained in Boxes Nos ate in the right column the num	VIII (i) to (v) (mark the a mber of each type of declar	pplicable ation):	Number of declarations
Box No. VIII (i)	Declaration as to the identi	ty of the inventor		:
Box No VIII (ii)	Declaration as to the appli- date, to apply for and be g	icant's entitlement, as at the ranted a patent	e international filing	:
Box No VIII (iii)	Declaration as to the appl date, to claim the priority	licant's entitlement, as at to of the earlier application	he international filing	:
Box No. VIII (iv)	Declaration of inventorsh United States of America)		f the designation of the	:

Declaration as to non-prejudicial disclosures or exceptions to lack of novelty

Form PCI/RO/101 (second sheet) (January 2004)

Box No. VIII (v)

1	Box No. VIII (ii) DECLARATION: ENTITIEMENT TO APPLY FOR AND BE GRANTED A PATENT The declaration must conform to the standardized wording provided for in Section 212: see Notes to Boxes Nos VIII VIII (i) to (v) (in general) and the specific Notes to Box No VIII (ii) If this Box is not used, this sheet should not be included in the request.
	Declaration as to the applicant's entitlement, as at the international filing date, to apply for and be granted a patent (Rules 4 17(ii) and 51bis 1(a)(ii)), in a case where the declaration under Rule 4 17(iv) is not appropriate:
	The University of Ulster is entitled to apply for and be granted a Patent by virtue of the following:
	David Patterson of 7 Wood Grange, Jordanstown, County Antrim, BT37 0WG, United Kingdom is an inventor of the subject matter for which protection is sought by way of this International Application; and the University of Ulster is entitled as employer of the inventor, David Patterson
	The St. Petersburg State University is entitled to apply for and be granted a Patent by virtue of the following:
	Vladimir Dobrynin of 3 Railway Cottages, Greenisland, Carrickfergus, County Antrim, United Kingdom, is an inventor of the subject matter for which protection is sought by way of this International Application; and the St. Petersburg State University is entitled as employer of the inventor, Vladimir Dobrynin.
	This declaration is made for the purposes of all designations (except the designation of the United States of America)
E E	This declaration is continued on the following sheet "Continuation of Box No. VIII (ii)"

Form PCI/RO/101 (declaration sheet (ii)) (January 2004)

	,	-	۰	
ı	ı		,	

Box No. IX CHECK LISI; LANGUAGE	of filing]	
This international application contains: (a) in paper form, the following number of sheets:	This international application is accompanied by the followir item(s) (mark the applicable check-boxes below and indicate in right column the number of each item):			
request (including	1 🔀 fee calculation sheet	:		
declaration sheets) : 6	2 . original separate power of attorney		1.	
description (excluding sequence listing and/or	3 original general power of attorney	:		
tables related thereto) : 25	4. copy of general power of attorney; reference number if any	•		
claims 4	5 statement explaining lack of signature	•		
abstract : 1	6 priority document(s) identified in Box No VI as	•		
	item(s):	. :	1	
Sub-total number of sheets 41- sequence listing	7 translation of international application into (language):	:		
tables related thereto (for both, actual number of	8. Separate indications concerning deposited microorga or other biological material	nism :		
sheets if filed in paper form, whether or not also filed in	9 sequence listing in computer readable form (indicate type and number of carriers)			
computer readable form, see (c) below)	(i) copy submitted for the purposes of international se Rule 13 ier only (and not as part of the international	arch under		
Total number of sheets : 41	(ii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iiii) (iii)	(column)		
(b) only in computer readable form (Section 80 I(a)(i))	purposes of international search under Rule 13ter	:		
(i) ☐ sequence listing (ii) ☐ tables related thereto	(iii) together with relevant statement as to the identity copies with the sequence listing mentioned in left	or the copy or column ;		
(c) also in computer readable form (Section 801(a)(ii))	10. tables in computer readable form related to sequence (indicate type and number of carriers)	isting		
(i) sequence listing	(i) copy submitted for the purposes of international se Section 802(b-quater) only (and not as part of the	arch under		
(ii) tables related thereto	application)	****		
Type and number of carriers (diskette, CD-ROM, CD-R or other) on which are	(ii) (only where check-box (b)(ii) or (c)(ii) is marked in leadditional copies including, where applicable, the	ft column)		
contained the	purposes of international search under Section 802	2(b-quater) :		
sequence listing:	(iii) together with relevant statement as to the identity of copies with the tables mentioned in left column	of the copy or :		
tables related thereto: (additional copies to be indicated under	11 other (specify):		1	
items 9(ii) and/or 10(ii), in right column)				
Figure of the drawings which	Language of filing of the			
Box No. X SIGNATURE OF APPLICAN	F. AGENT OR COMMON REPRESENTATIVE			
Next to each signature, indicate the name of the person sig	ning and the capacity in which the person signs (if such capacity is not obviou	s from reading the request).		
ALAN WALLACE, AGENT 27/9/04				
	For receiving Office use only		.	
1 Date of actual receipt of the purported	2.7 SEP 2004	2 Drawings:		
international application:	(2 7. 09. 2004)	received:	RO/EP	
	3 Corrected date of actual receipt due to later but timely received papers or drawings completing			
4 Date of timely receipt of the required corrections under PCT Article 11(2):		not received:		
5 International Searching Authority (if two or more are competent): ISA /	6 Transmittal of search copy delayed until search fee is paid	·		
	For International Bureau use only			
Date of receipt of the record copy by the International Bureau:				

Form PCT/RO/101 (last sheet) (January 2004)